

10/534239

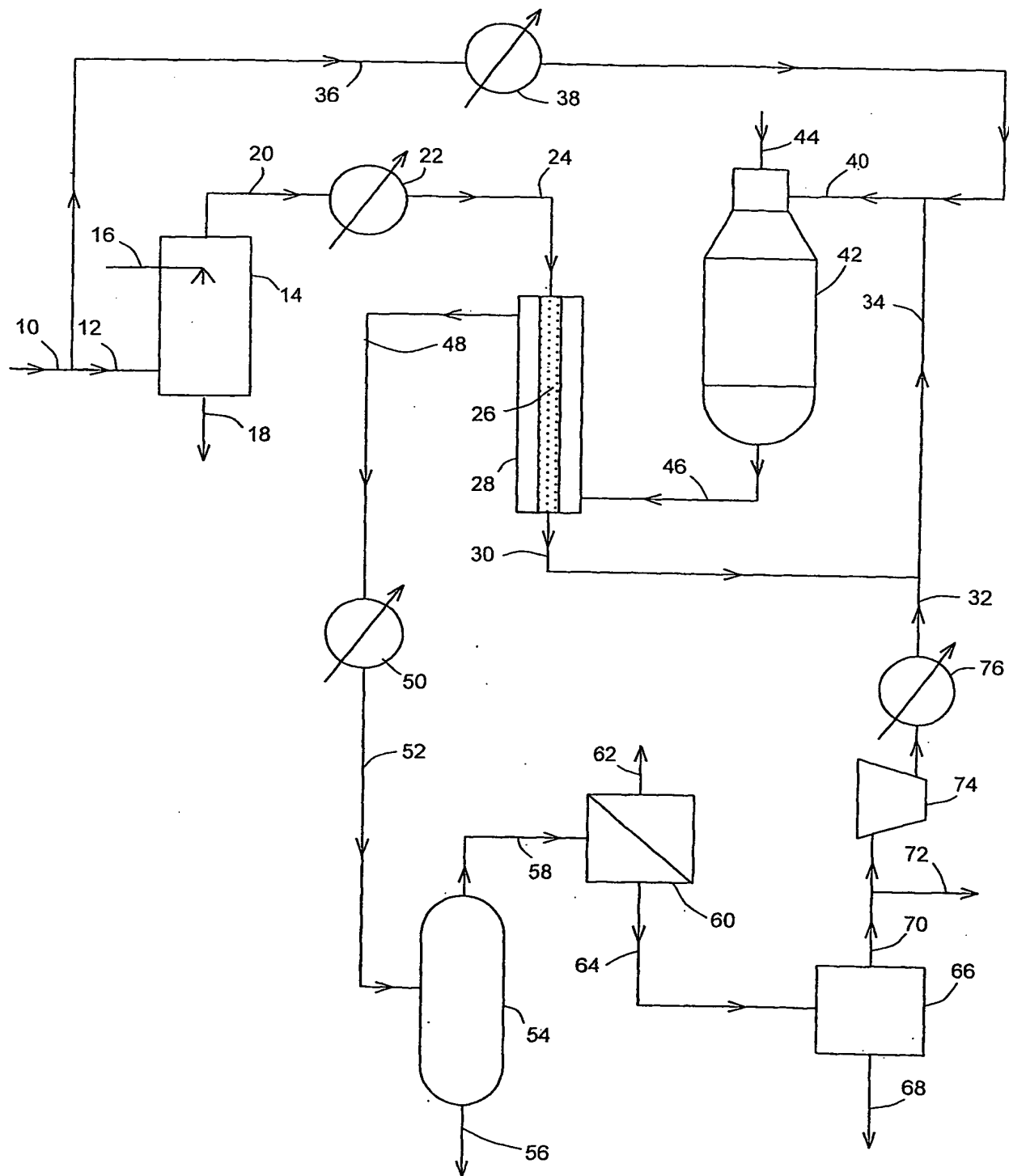


Fig. 1

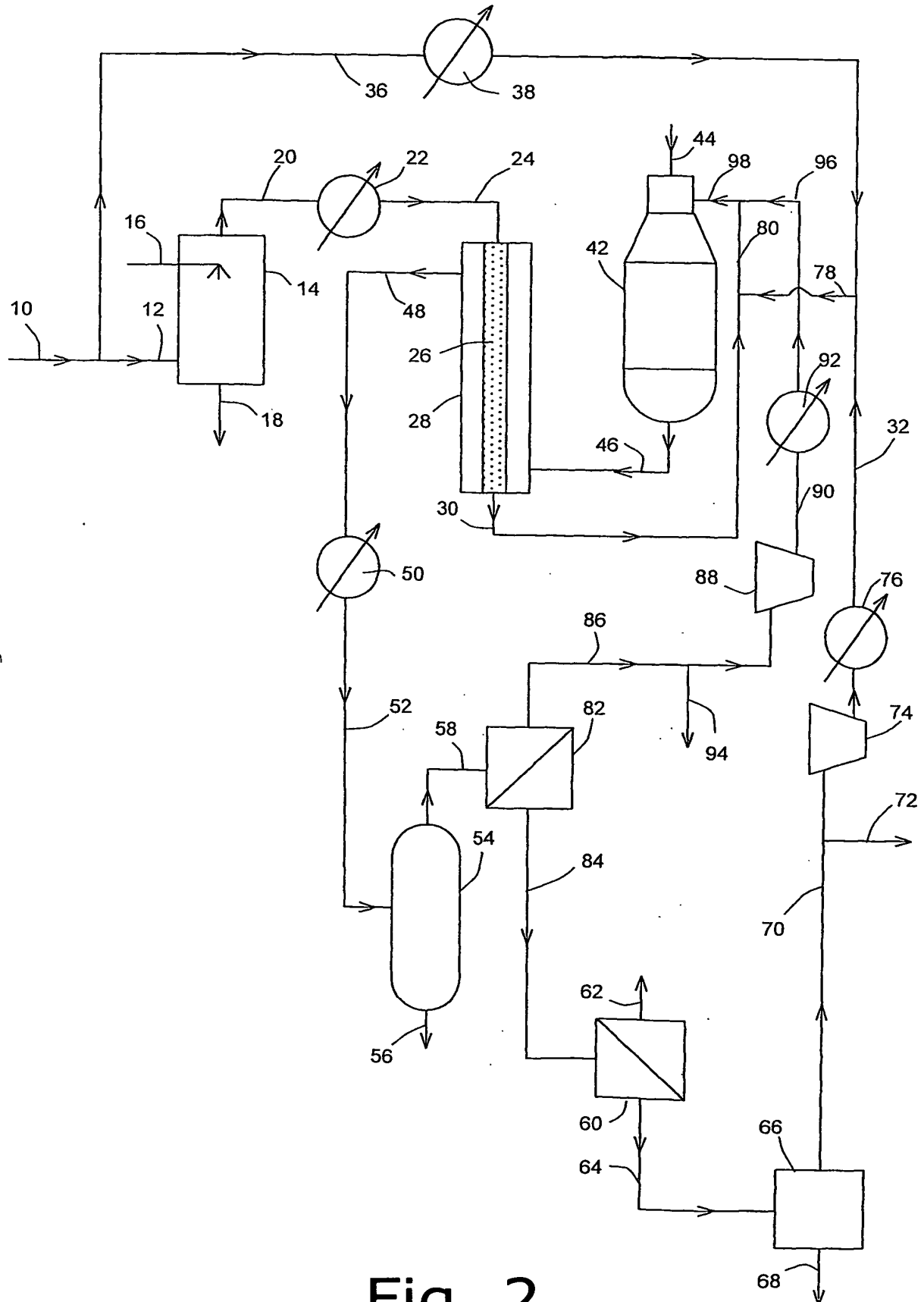


Fig. 2

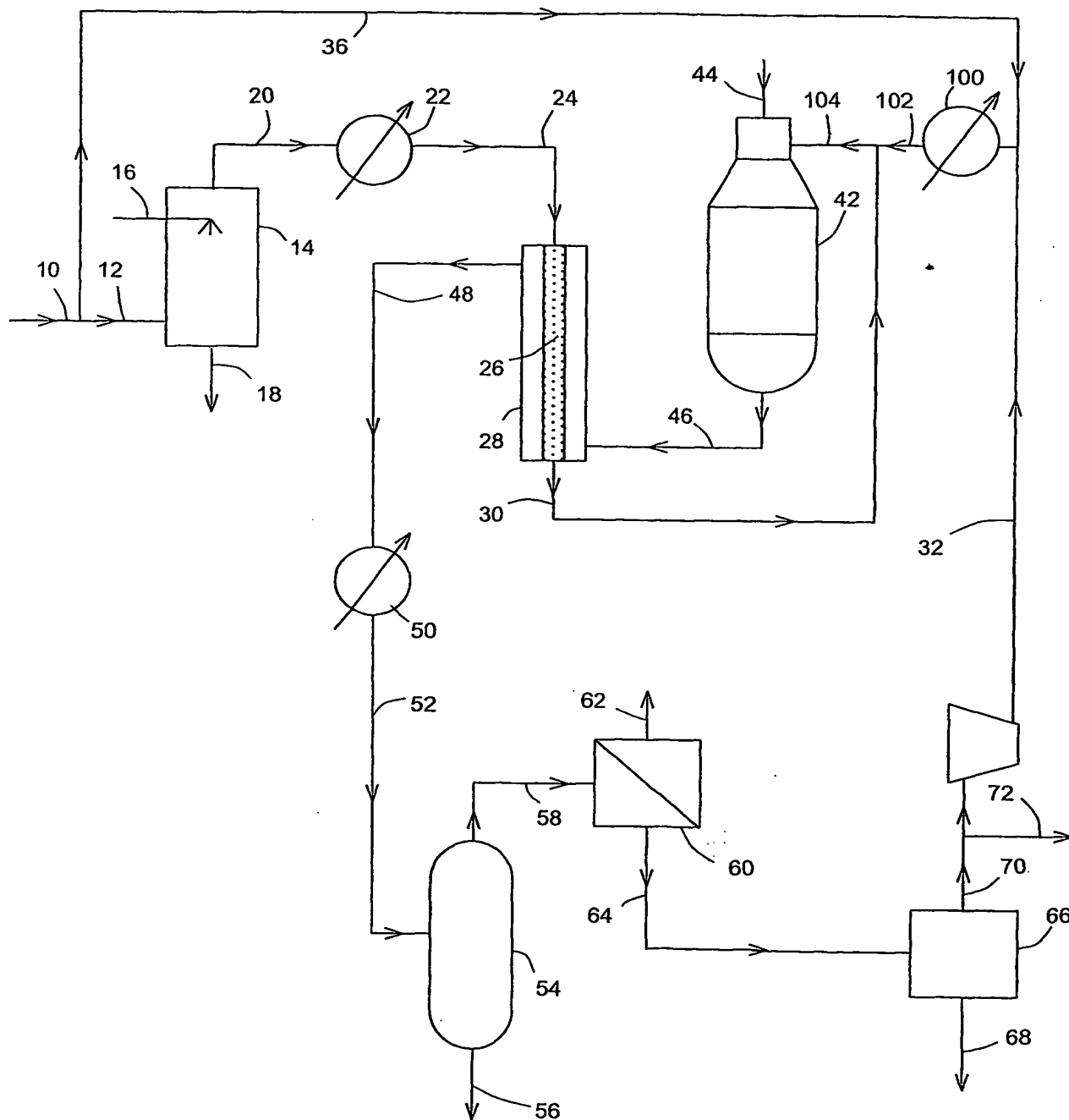


Fig. 3

NEW SHEET

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Stream	P (bara)	T (°C)	Flow rate (kmol/h)						
			CH ₄	CO	CO ₂	H ₂	H ₂ O	O ₂	N ₂
12	52	20	22516 ^a	0	522	0	0	0	42
24	50	450	22516 ^a	0	522	0	28146	0	42
30	46	772	15627	3772	3639	21583	18139	0	42
36	52	20	5629	0	130	0	0	0	10
32	40	50	2309	839	323	333	0	0	477
90	50	150	0	0	5809	0	0	0	0
98	46	691	23565	4611	9901	21916	18139	0	529
44	50	40	0	0	0	0	0	13569	68
48	46	545	1980	27929	8169	57249	25425	0	597
86	1.5	50	0	0	8169	0	0	0	0
62	20	50	0	0	0	1396	0	0	0
64	44	50	1980	27929	0	55853	0	0	597
68	40	50	25535 ^b	0	0	0	26072	0	0
70	40	50	2884	1035	403	416	0	0	597
72	40	50	575	196	80	83	0	0	120
^a also contains 3570 kmol/h of higher hydrocarbons expressed as CH _{2.76} ^b also contains 25535 kmol/h of higher hydrocarbons expressed as CH _{2.15}									

Fig. 4

Stream	10	36	12	24	30	32	102	44	48	56	58	62	64	70	72	68
Temp	Deg C	230	230	230	420	773	69	382	30	550	55	55	71	70	5	26
Press	kPa	3625	3625	3625	3500	3150	3300	3250	2950	2700	2700	1200	2600	1730	1730	100
Flow	kmols/hr	33253	8313	24940	48591	61511	14329	22808	18888	138025	17769	120256	2741	117515	21209	33559
Methane		29240	7310	21930	21930	17040	1968	9276	0	1673	0	1673	0	1673	2913	947
Ethane		1663	416	1247	1247	0	74	490	0	0	0	0	0	0	110	36
Propane		33	8	25	25	0	48	57	0	0	0	0	0	0	71	23
Butane		0	0	0	0	0	67	67	0	0	0	0	0	0	99	32
CO		0	0	0	1	4833	2166	2167	0	34734	0	34734	0	34734	3210	1043
CO ₂		0	0	0	5	2633	3756	3761	0	5832	5	5627	56	5571	5567	1809
H ₂		653	163	490	490	24201	2392	2519	0	72082	0	72082	2606	69476	3524	1145
H ₂ O		0	0	0	21845	11557	9	9	0	18551	17763	788	79	709	13	4
O ₂		0	0	0	0	0	0	0	16603	0	0	0	0	0	0	0
N ₂		1663	418	1247	1248	1248	3520	3933	42	5225	0	5225	0	5225	5215	1695
Ar		0	0	0	0	0	86	86	42	127	0	127	0	127	127	41
Propene		0	0	0	0	0	166	167	0	0	0	0	0	0	247	80
Pentane		0	0	0	0	0	46	46	0	0	0	0	0	0	68	22
Hexane		0	0	0	0	0	23	23	0	0	0	0	0	0	33	11
Heptane		0	0	0	0	0	6	6	0	0	0	0	0	0	9	3
Octane		0	0	0	0	0	1	1	0	0	0	0	0	0	2	1
Nonane		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Decane		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C13		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C15		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C20		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C25		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Fig. 5